APRIL 1983

TEXAS INSTRUMENTS HOME COMPUTER NEWSLETTER

PUBLISHED FOR TI-99/4A USERS

TEXNET: A WORLD OF INFORMATION

Imagine planning your family's summer vacation without the aggravation of scheduling and rescheduling airline flight reservations.

Imagine, too, getting the latest news and sports information when you want it without opening a single newspaper. Or, perhaps you'd like to imagine the simplicity of doing your shopping without leaving home, or the ability to research subjects without ever stepping into a library.

These days, with the right equipment, imagining such things is more than just daydreaming. The TI Home Computer already has the capability of revolutionizing today's systems of gathering and receiving information.

By subscribing to the TEXNET℠* Information Service, users can turn their Home Computers into information centers. TEXNET brings 99/4A users the services of THE SOURCE℠**; a computer software service for business, education, and home entertainment, plus access to TI news and information.

With a subscription to TEXNET, 99/4A users may have access to many useful and important information services.

Among the special services available to TEXNET subscribers, are the following:

TI NEWS—An electronic newsletter with product and technical announcements from Texas Instruments.

TI SOFTWARE EXCHANGE—Software exchange service for hundreds of free programs you can review and save with your own Home Computer.

TI VOICE CHAT—Spoken, interactive communication from other on-line users made possible by using the optional speech synthesizer.

TI PHONETIC DICTIONARY—A growing library of over 2,000 entries; offers phonetic spelling of words which are helpful when programming with the "text-to- speech" feature of the Terminal Emulator II.

TI HELP—How to use TEXNET.

TI SOFTWARE DIRECTORY—A catalog of software that can be purchased through TI dealers.

TI USERS' GROUPS—A nationwide listing of Texas Instruments Users' Groups and who to contact.

TI SERVICE CENTERS—Listing of locations for maintenance and repairs on Texas Instruments equipment.

TI GRAPHIC LIBRARY—An expanding graphics library that users can view or download for personal use.

TI MUSIC AND SOUND LIBRARY—A library of musical scores and sounds available for use in your own programs.

THE SOURCE—Over 1,000 information and communication services.

To access TEXNET, the following is required: a TI-99/4 or TI-99/4A console, Terminal Emulator II Cartridge, an RS-232 Interface Card (inserts into the Peripheral Expansion System), and a 300 baud Phone Modem. A printer is optional.

To tap TEXNET, one simply dials a local number available in more than 400 cities. A prompt from the screen then appears asking the user to type in his/her private ID account number. Once entered, the user simply enters commands using plain English.

Additional capabilities available to TEXNET subscribers include: up-to-the minute national and international news, financial and business information, market reports, and international document research.

Travel services such as checking latest flight schedules, making airline, hotel, and auto reservations, plus gathering information about restaurants and lodging places is all a snap with TEXNET.

For an initial subscription fee of $100 plus standard usage rates, users can have a growing world of information at their fingertips.

For more information about TEXNET call toll-free: 1-800-336-3330.

*TEXNET, a servicemark of Texas Instruments Incorporated

**THE SOURCE, a servicemark of Source Telecomputing Corporation, a subsidiary of The Reader's Digest Association, Inc.

INSTRUCTIONAL MANUALS AVAILABLE

Texas Instruments has several instruction manuals available for TI-99/4A users of all ages.

Among those available are the following:

USER'S REFERENCE GUIDE: A comprehensive and detailed guide to the TI-99/4A Home Computer. Includes start-up instructions, tour of keyboard, and a section on 99/4A accessories. This book provides a good introduction to Home Computer uses and capabilities. Contains instruction on TI BASIC commands, program statements, color graphics, and sound. The guide is packaged with every TI-99/4A Home Computer, but may be purchased separately at a suggested retail price of $9.95.

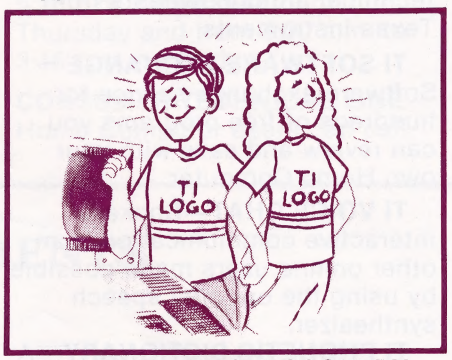
BEGINNER'S BASIC MANUAL: A first instruction to programming and operating the 99/4A in the TI BASIC language. This manual is included with the 99/4A Home Computer. It is a step-by-step, hands-on, learn-to-program book. Programming principles are taught. Enough instruction is provided to enable the user to write basic programs of one's own design in BASIC. The book's suggested retail price is $9.95.

COMPUTER AWARENESS FOR ADULTS: This workbook is used by the TI Computer Advantage Club (TICAC)* adult classes. The book is designed to give the reader a basic overview of the Home Computer, its components, types of storage, tips on use of software, and a very basic introduction to programming languages and TI BASIC commands. A glossary of personal computing terms is included. The suggested retail price is $6.95.

COMPUTER AWARENESS FOR CHILDREN: A children's activity book used in TICAC class instruction which introduces the young to the world of computers. The manual helps students gain an understanding of how computers work and what computers can and cannot do. The manual touches on computer commands and keyboard functions. A computing word glossary is included. The suggested retail price is $5.95.

BASIC PROGRAMMING FOR ADULTS: A compact introduction to TI BASIC programming. Statements, commands, loops, and other programming functions are discussed. Sample programs are included. The manual also contains a glossary of computing terminology. This supplemental activities book, used in TICAC instruction, will be available by May 1983. The suggested retail price is $6.95.

PROGRAMMING DISCOVERY IN TI BASIC STUDENT GUIDE: An instructional TICAC activities manual designed to teach programming basics including writing and creating programs. The manual presents the student with an introduction to BASIC commands and statements. The suggested retail price is $9.95.



PROGRAMMING DISCOVERY IN TI LOGO STUDENT GUIDE: TICAC student activities workbook designed to introduce children 8 and up to TI LOGO, a child-appropriate computer programming language developed by the Massachusetts Institute of Technology. With LOGO, students can experiment with lines and proportions by drawing geometric figures and designs on the monitor's screen. LOGO also enables children to create animated shapes and give these shapes color, motion, and position. Users are taught LOGO commands, terminology, and programming skills. The guide is an excellent supplement to materials packaged with the TI LOGO cartridge. The suggested retail price is $5.95.

LOGO CURRICULUM GUIDE: Manual for parents and instructors who want to teach TI LOGO to children. The LOGO curriculum guide contains appropriate activities designed to stimulate young minds. A reference guide with lengthy explanations of each LOGO command is included to help the teacher provide effective instruction. The curriculum guide comes with one diskette and one cassette. The suggested retail price is $49.95.

THE TI-99/4A TECHNICAL DATA MANUAL: This manual contains general descriptions of the computer mainframe, I/O pin descriptions, memory and CRU allocation, electrical characteristics, 99/4A system block diagrams, and more. The book is for users who want to know more about how the console works. This book is not recommended for people lacking knowledge of computer design and operation. The suggested retail price is $14.95.

EDITOR/ASSEMBLER MANUAL: Provides instruction on how to execute the editor and what commands to use to edit programs. Instructions for executing the assembler also are provided. Describes the syntax of the 9900 instruction set. Provides information on accessing features of the system, including high-resolution graphics, speech and sound. Also provides information on how to access sub-routines built into the console. The suggested retail price is $14.95.

All books are available through the TI Dealer Parts Department. Books must be pre-paid. Please include $2 for shipping and handling and any applicable state or local tax. Send your requests to Texas Instruments, Attn: Dealer Parts, P.O. Box 53, Lubbock, Texas 79408. Manuals also may be ordered by calling the toll-free Consumer Software Hotline, 1-800-858-4075. Lines are open from 8:00 a.m. to 5:15 p.m. (Central Standard Time) Monday

through Thursday and from 8:00 a.m. to 3:15 p.m. on Friday.

*Information about the TI Computer Advantage Club may be acquired by calling the TICAC toll-free number: 1-800-858-4069.

MULTIPLAN BUG UNCOVERED

A technical bug in the Microsoft™ Multiplan™* program diskette has been discovered.

The bug is triggered when some of the less-used features of the spreadsheet are used. The bug causes the screen to turn different colors in varied patterns.

One feature which triggers the effect is the External Copy command. When trying to copy several rows and columns below row 5 at one time, the problem described above occurs. To avoid this occurance, you can make extra copies one row at a time or name the area and copy it by name.

Only a few Multiplans were released before the bug was discovered and a revised diskette manufactured. If you recently purchased your Multiplan, chances are that you bought the revised version.

However, If you encounter any problems such as the one described above, you should call the toll-free Consumer Hotline at 1-800-858-4565.

*A trademark of Microsoft™, Inc.

SOFTWARE DIRECTORY UPDATE

The TI-99/4A Software Directory will be available in May. This directory contains more than 1200 software packages from both TI and third party authors.

Orders may be placed by calling toll-free, 1-800-858-4565, or by writing to TI, P.O. Box 53, Lubbock, Texas 79408.

The directory is available for $5.95. Please add $2 shipping and handling, plus any applicable state and local sales tax.

CATALOG PROGRAM OFFERS CONVENIENCE

If you're like most of us, you've experienced the frustration of forgetting what file names you've used for individual files.

The program listed here catalogs a disk and offers you the convenience of being able to leave in a cartridge, Extended BASIC, for example, while you catalog a disk.

The program enables you to read and print the catalog for a diskette from TI BASIC. A single-dimension array of five items corresponding to the five types of files is set up in lines 100 through 160.

Lines 170 to 190 prompt you for the drive you are using (if you give an invalid disk drive number, the prompt will appear again).

Lines 200 to 220 read in the diskette name, usage information, and display the file on the screen.

The remainder of the program reads the file names and attributes, formats, and displays the catalog on the screen.

You can save this program on each diskette by typing in:

SAVE DSK1.CAT (Press Enter)

When you're ready to catalog a disk, type in:

OLD DSK1.CAT (Press Enter)
RUN (Press Enter)

```
100 CALL CLEAR
110 DIM TYPE$(5)
120 TYPE$(1)="DIS/FIX"
130 TYPE$(2)="DIS/VAR"
140 TYPE$(3)="INT/FIX"
150 TYPE$(4)="INT/VAR"
160 TYPE$(5)="PROGRAM"
170 INPUT "MASTER DISK (1-3)? ":I
180 I=INT(I)
190 IF (I<1)+(I>3)=-1 THEN 170
200 OPEN #1:"DSK"&STR$(I)&".",
    INPUT ,RELATIVE,INTERNAL
210 INPUT #1:A$,J,J,K
220 DISPLAY "DSK";STR$(I);" -
    DISKNAME= ";A$:"AVAILABLE="
    ;K;" USED=";J-K
230 DISPLAY :" FILENAME    SIZE
    TYPE       P":"---------- ----
    ---------- -";
240 INPUT #1:A$,I,J,K
250 IF LEN(A$)=0 THEN 330
260 DISPLAY :A$;TAB(12);J;TAB(17);
    TYPE$(ABS(I));
270 IF ABS(I)=5 THEN 300
280 B$=" "&STR$(K)
290 DISPLAY SEG$(B$,LEN(B$)-2,3);
300 IF I>0 THEN 240
310 DISPLAY TAB(28);"Y";
320 GOTO 240
330 CLOSE #1
```

USER TIP: TI-WRITER

Anyone who uses the TI-WRITER Text Formatter may be familiar with the automatic form feed which occurs each time you print.

The form feed is frustrating when your document has few pages because the printer automatically advances one entire page, making that page useless.

Here is one way to prevent the form feed from advancing when you want to print just a few pages:

Leave your printer turned off until late in the Formatter activation sequence. Enter all information into the formatter as usual until you reach the question. "Pause at end of page?" The default is "No." Change this to "Yes" and Enter it. "WORKING" will appear at the bottom of your screen followed by "Press Enter to Continue." Now is the time to turn on your printer and then press Enter. Your document will begin printing without form feeding first.

It must be pointed out here that you must press Enter for each subsequent page which is why this is ideal for printing only a few pages. If you plan on printing many pages at one time the one lost sheet due to the form feed is a relatively minor problem.

```
* TEXT FORMATTER *
ENTER INPUT FILENAME:
DSK2. FILE
ENTER PRINT DEVICENAME:
RS232.LF
USE MAILING LIST? N
WHAT PAGE(S)? (ALL)
A
NUMBER OF COPIES: 1
PAUSE AT END OF PAGE? Y
PRESS ENTER TO CONTINUE
■
WORKING.....
© 1982 TEXAS INSTRUMENTS
```

A sample screen of the TI-WRITER Text Formatter is shown here.

TI-99/4A USERS' GROUPS LISTED

The number of 99/4A Home Computer Users' Groups is increasing tremendously! There are now 92 recognized active 99/4A Users' Groups worldwide and the number is growing daily. Printed here is the most recent list of 99/4A Users' Groups.

If you desire information about any particular group, we encourage you to contact that group at the address shown. Please enclose a self-addressed, stamped envelope with your inquiry.

If you recently have started a Users' Group, please send the name, address, phone number, membership information and the name of a contact person to: TI, P.O. Box 10508, MS 5890, Lubbock, TX, 79408, ATTN: USERS' GROUP COORDINATOR.

INTERNATIONAL GROUPS

The 99/4 Program Exchange
P.O. Box 3242
Torrance, CA 90510

99/4 Users of America
5028 Merit Drive
Flint, MI 48506

International 99/4A Users' Group, Inc.
P.O. Box 67
Bethany, OK 73008
(405)948-1023

ALABAMA

Central Alabama 99/4A Users' Group
551 Larkwood Drive
Montgomery, AL 36109

Jasper 99/4A Users' Group
1F Northwood Townhomes
Jasper, AL 35501

TIBUG
709 Nytol Circle
Birmingham, AL 35210

Wiregrass 99 Users' Group
106 Harwood Place
Enterprise, AL 36330

ARIZONA

Arizona 99 Users' Group
4328 E LaPuenta Avenue
Phoenix, AZ 85044

Tuscon 99/4A Users' Group
6816 E. Lurlene Drive
Tuscon, AZ 85730

Yuma 99'er Users' Group
1573 E Kuns Court
Yuma, AZ 85365

CALIFORNIA

Kings 99/4A Users' Group
299 W Birch
Hanford, CA 93230

L.A. 99'ers Computer Group
P.O. Box 3547
Gardend, CA 90247-7247

Orange County 99/4 Users' Group
1673 Chateau
Anaheim, CA 92082

S.F./South Bay 99er Users' Group
16380 E. LaChiquita
Los Gatos, CA 95030

San Gabriel Valley 99/4 Users' Group
1008 Dore St.
West Covina, CA 91712

Southern California Computer Group
1643 Coronado Ave
Spring Valley, CA 92071

COLORADO

Boulder 99/4A Users' Group
7129 Mt Meeker Road
Longmount, CO 80501

Colorado 99/4 Users' Group
Box 3400
Littleton, CO 80161

DELAWARE

Delaware Valley Users' Group
25 Quartz Mill Road
Newark, DE 19711

FLORIDA

Daytona 99ers
P.O. Box 4594
S. Daytona, FL 32021

Manasota 99 Users' Group
6625 Roxbury Drive
Sarasota, FL 33581

Northwest Florida 99er HC Users' Group
3256 Las Brisas Court
Pensacola, FL 32506

Tampa Bay 99er Users' Group
13097 Lois Avenue
Seminole, FL 33542

South Florida 99 Users' Group
433 Wright Drive
Lake Worth, FL 33461

West Jax 99'ers
7266 Bunion Drive
Jacksonville, FL 32222

GEORGIA

Atlanta 99/4A Computer Users' Group
P.O. Box 19841
Atlanta, Ga 30325

Georgia 99/4A Users' Group, Ltd.
P.O. Box 88464
Dunwoody, GA 30356

HAWAII

Aloha 99/4A Computer Users' Group
92865 Palailai Street
Makakilo, HI 96706

ILLINOIS

Chicago 99/4 Users' Group
353 Park Drive
Palatine, IL 60067

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TI PROGRAMMING BOOKS INTRODUCED

Beginning in May, bookstores will carry the first of a line of programming books for the family of Texas Instruments personal computer products.

"LEARN BASIC: A Guide To Programming the Texas Instruments Compact Computer 40," is the first TI programming book of its kind to be available on bookstore shelves.

This book is a practical hands-on programming manual designed for people with little or no computer experience.

CC-40 enthusiasts easily can learn to program TI's new Compact Computer with the help of the "LEARN BASIC" CC-40 programming version.

The CC-40 book is organized into 28 short, easy-to-follow lessons. Each lesson covers an important programming concept. BASIC statements and commands necessary for programming the CC-40 are explored.

Review exercises are provided after every four or five lessons to reinforce learning. Answers to all review questions are found in a special appendix at the back of the book.

Knowledgeable programmers also will find the book useful. Sample programs are included that can be used by professionals, students, managers, hobbyists, and computer enthusiasts.

The book's author is TI writing consultant, David Thomas. Thomas has extensive experience writing about programmable products and computers.

A TI-99/2 version of "LEARN BASIC" is scheduled to follow in July.

Both versions of "LEARN BASIC" will be available in bookstores and from TI retailers at a suggested price of $9.95.

TI-99/4A USERS' GROUPS LISTED

East Central Illinois 99 Users' Group
3701 Tuttle
Danville, IL 61832

Lincolnland 99 Computer Group
P.O. Box 1434
Springfield, IL 62705

INDIANA

Miami County Area 99/4A HC Users' Group
163 West Third
Peru, IN 46970

IOWA

Cedar Valley 99er Users' Group
2705 16th Avenue
Marion, IA 52302

Des Moines 99/4 Users' Group
3013 E. 32nd Street
Des Moines, IA 50317

Northeast Iowa HC Users' Group
1421 Delta Drive
Cedar Falls, IA 50613

KANSAS

Mid America 99/4 Users' Group
P.O. Box 2505
Shawnee Mission, KS 66201

KENTUCKY

Kentuckiana 99/4 Computer Society
9801 Tiverton Way
Louisville, KY 40222

MARYLAND

Baltimore Users' Group
5504 Forge Road
White Marsh, MD 21162

MASSACHUSETTS

M.U.N.C.H.
1241 Main Street
Worcester, MA 06103

New England 99'ers
99 School Street
Weston, MA 02193

Personal Computer Users'
P.O. Box 782
Westborough, MA 01581

Pioneer Valley 99/4 Users' Group
3 Market Street
Northampton, MA 01060

MINNESOTA

Greater Minneapolis-St. Paul
Home Computer Users' Group
P.O. Box 12351
St. Paul, MN 55112

MISSOURI

Kansas City 99/4A Computer Users
4511 N. Troost
Kansas City, MO 64116

99/4 Users' Group of St. Louis
4127 Quincy
St. Louis, MO 63116

NEW JERSEY

Norhtern N.J. 99er Users' Group
P.O. Box 515
Bedminster, NJ 07921

SK 99 Users' Group
180 Haledon Ave
Prospect Park, NJ 07508

NEW MEXICO

Bernalillo 99/4A HC Users' Group
2008 Lead Avenue SE
Albuquerque, NM 87106

NEW YORK

New York 99/4 Users' Group
34 Maple Ave. Box 8
Armonk, NY 10504

Upstate New York 99/4A Users' Group
P.O. Box 13522
Albany, NY 12212

OHIO

Cin-Day Users' Group
P.O. Box 519
West Chester, OH 45059-0519

Cleveland Area 99/4A Computer Group
13771 Oakbrook Dr. #206
North Royalton, OH 44133

C.O.N.N.I.
1456 Grandmin Avenue
Columbus, OH 43212

OREGON

Pacific Northwest 99/4 Users' Group
P.O. Box 5537
Eugene, OR 97405

Portland Users of Ninety Nines
421 Northwest 69th Street
Vancouver, WA 98665

PENNSYLVANIA

Capital Area Users' Group
P.O. Box 637 Fed. Sq. Station
Harrisburg, PA 17108-9998

Hazelton 99/4 Users' Group
P.O. Box 285
Hazelton, PA 18201

Pittsburgh Users' Group
P.O. Box 18124
Pittsburgh, PA 15236

RHODE ISLAND

Tri-State Users' Group
P.O. Box 457
Lincoln, RI 02864

SOUTH CAROLINA

Carolina Computer Club
225 Wynchwood Drive
Irmo, SC 29063

TENNESSEE

Athens 99/4 Computer Users' Group
2215 Congress Parkway
Athens, TN 37303

Middle Tennessee Users' Group
P.O. Box 367
Estill Springs, TN 37330

TEXAS

Central Texas 99/4A Users' Group
P.O. Box 3026
Austin, TX 78764

Corpus Christi 99ers
3602 Braeburn
Corpus Christi, TX 78415

Dallas Home Computer Group
P.O. Box 672
Wylie, TX 75098

Houston Users' Group (HUG)
18103 Bambridge
Houston, TX 77090

SC Users' Group (JUG)
2321 Coryell Street
League City, TX 77573

Lubbock Computer Club
3211 27th Street
Lubbock, TX 79410

The Greater Randolph 99ers
P.O. Box 721
Randolph AFB, TX 78148

West Texas 99/4 Users' Group
P.O. Box 6448, M/S 3030
Midland, TX 79701

VIRGINIA

Tidewater 99/4 Users' Group
942 Bolling Ave #106
Norfolk, VA 23501

WASHINGTON, D.C.

Washington, D.C. 99/4 Users' Group
P.O. Box 267
Leesburg, VA 22075

WASHINGTON STATE

Puget Sound 99'ers
P.O. Box 6073
Lynnwood, WA 98036

WISCONSIN

Milwaukee Area Users' Group
2007 North 71st Street
Wauwatosa, WI 53213

Sheboygan Area Users' Group
P.O. Box 1151
Sheboygan, WI 53081

LOGO USERS' GROUP

Young Peoples' LOGO Association
1208 Hillsdale Drive
Richardson, TX 75081

AUSTRALIA

NATIONAL COORDINATOR

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P.O. Box 101
Kings Cross, Sydney N.S.W. 2011

SYDNEY INTERIM COORDINATOR

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Pennant Hills

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PERTH INTERIM COORDINATOR
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Australia 7018

ADELAIDE INTERIM COORDINATOR
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S.A. 5159

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P.O. Box 11983
Edmonton, Alberta
Canada T5J3L1

Carleton Home Computer Users' Group
John Street R.R. #2
Stittsville, ONtario
Canada KOA3G0

Toronto Home Computer Users' Group
3175 Kirwin Avenue
Townhouse #159
Mississauga, Ontario
Canada L5A3M4

Victoria 99'er Group
402-1471 Fort Street
Victoria, B.C.
Canada V8S1Z4

COLOMBIA
Asociacion Colombiana
de Usuarios 99/4
Av. Nutivara #C 3-6
Medellin Colombia S.A.

ENGLAND
T.I. Home
Paul Michael Dicks
157 Bishopsford Road
Morden Surry SM46BH

GERMANY
Frankfort
American Express International
Dept. 204
Attn: Mr. C. Quigtar
APONY 09757

HOTLINE DIRECTORY

CONSUMER HOTLINE
The Consumer Hotline is open from 8:00 a.m. to 5:15 p.m. Monday through Thursday and from 8:00 a.m. to 3:15 p.m. on Friday. The national number is 1-800-858-4565.

CONSUMER SOFTWARE LINE
Consumers unable to purchase software from local dealers can order software from TI by calling 1-800-858-4075 from 8:00 a.m. to 5:15 p.m. Monday through Thursday and from 8:00 a.m. to 3:15 p.m. on Friday.

CONSUMER TECHNICAL LINE
Home Computer users can call the technical line for questions about programming and applications. The line is open from 8:00 a.m. to 4:15 p.m. Monday through Thursday and until 3:15 p.m. on Friday. The direct number is 1-806-741-2663.

TI COMPUTER ADVANTAGE CLUB
Consumers can call the TICAC line for class information and to register for classes. The lines are open from 8:00 a.m. to 8:30 p.m. Monday through Friday and from Noon to 4:30 p.m. Saturday and Sunday. The national number is 1-800-858-4069.

All Hours are Central Standard Time.

TEXAS INSTRUMENTS

The Texas Instruments Home Computer Newsletter is published monthly for TI computer users.

Editorial questions and suggestions should be sent to TI, P.O. Box 10508, MS 5882, Lubbock, TX 79408, ATTN: Editor.

Inquiries about Home Computer Users' Groups should be sent to TI, P.O. Box 10508, MS 5890, Lubbock, TX 79408, ATTN: Users' Group Coordinator.

Third party software developers should direct all correspondance to TI, P.O. Box 10508, MS 5890, Lubbock, TX 79408, ATTN: Third Party Software Manager.

Past issues of the Home Computer Newsletter are not available. However, articles from the newsletter may be reprinted after receiving permission from the Users' Group Coordinator.

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